K3780E

AMD 780E + AMD SB710

K3780E-S / K3780E-D (Type1)

K3780E-S Single Core CPU AMD Sempron 210U (1.5GHz)

K3780E-D Dual Core CPU AMD Athlon™ Neo X2 L325 (1.5GHz)

K3780E-S2 / K3780E-D2 (Type2)

K3780E-S2 Single Core CPU AMD Sempron 210U (1.5GHz)

K3780E-D2 Dual Core CPU AMD Athlon™ Neo X2 L325 (1.5GHz)

User's Manual

Ver. 1.0

MB Dimension

170mm x 148mm

Operating System

Windows® XP/ Vista/ Win7

Release Date

091229

Things You Have To Know

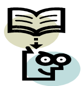
- The images and pictures in this manual are for reference only and may vary from the product you received depending on specific hardware models, third party components and software versions.
- This mainboard contains very delicate IC chips. Always use a grounded wrist strap when working with the system.
- Do not touch any IC chip, lead, connector or other components.
- Always unplug the AC power when you install or remove any device on the mainboard or when configuring pins and switches.

Symbols


Attention- Important


Follow the procedures


Troubleshooting Tips


Refer to other

Index

Chapter 1 Getting Started

1.1 Introduction

Thanks for choosing K3780E Mainboard. It is based on AMD 780E Northbridge chipset and AMD SB710 Southbridge chipset. In addition, it also supports integrated AMD 780E Graphics Engine for onboard graphics feature. It supports CPU as below:

K3780E-S / K3780E-D (Type1)
K3780E-S Single Core CPU AMD Sempron 210U (1.5GHz)
K3780E-D Dual Core CPU AMD Athlon™ Neo X2 L325 (1.5GHz)

K3780E-S2 / K3780E-D2 (Type2)
K3780E-S2 Single Core CPU AMD Sempron 210U (1.5GHz)
K3780E-D2 Dual Core CPU AMD Athlon™ Neo X2 L325 (1.5GHz)

The K3780E provides 1 x Single channel SO-DIMM DDR2 800MHz by Single Core CPU up to 2GB;
2 x Dual channel SO-DIMM DDR2 800MHz by Dual Core CPU up to 4GB SO-DIMM.

This mainboard provides one MINI-IDE connector for MINI-IDE hard drives, supporting Ultra ATA 100/66/33MHz. and support 4 SATA II (300MB/s). In addition, PCI-E x16 Slot, Mini PCI & CF II (optional) slot for use is also allowed.

The K3780E provides LVDS, HDMI, VGA (D-Sub) or DVI, 8 or 4 USB 2.0/ 1.1 and 6 or 2 RS232 ports for use. There are maximal 8 USB2.0/ 1.1 ports which can be set up on this mainboard.

This mainboard also comes with one onboard 10/100/1000 Mbps Ethernet LAN chips (RTL8111C). On the back panel of your case that you can directly plug into Internet cables.

The Realtek® ALC 662 AC'97 Codec supports high quality performance.

1.2 Specification

1.2.1 CPU

- K3780E-S / K3780E-D (Type1)
  K3780E-S Single Core CPU AMD Sempron 210U (1.5GHz)
  K3780E-D Dual Core CPU AMD Athlon™ Neo X2 L325 (1.5GHz)
- K3780E-S2 / K3780E-D2 (Type2)
  K3780E-S2 Single Core CPU AMD Sempron 210U (1.5GHz)
  K3780E-D2 Dual Core CPU AMD Athlon™ Neo X2 L325 (1.5GHz)

1.2.2 Chipset

- Northbridge Chipset - AMD 780E
- Southbridge Chipset - AMD SB710
- Super I/O Controller - W83627UHG
- IO RS-232 Controller - W83627UHG
- AC’97 Audio Codec - Realtek® ALC 662
- LAN Controller - PCI-E Realtek® RTL8111C

1.2.3 Memory

- 1 or 2 DDR II SO-DIMM socket
- 1 x Single channel SO-DIMM DDR2 800MHz by Single Core CPU up to 2GB
  2 x Dual channel SO-DIMM DDR2 800MHz by Dual Core CPU up to 4GB

1.2.4 Audio - Realtek® ALC 662

- Compliant with AC’97 2.3 specification
- Support SPDIF output (cable by optional)
- Support 3D stereo enhancement

1.2.5 LAN - Realtek® RTL8111C

- PCI-E Realtek® Giga LAN Ethernet LAN
- RJ45 Connector with link/act and speed LED integrated
- K3780E I/O Board Type I: 2 x LAN
- K3780E I/O Board Type II: 1 x LAN

1.2.6 Slot

- K3780E I/O Board Type I
  1 x PCI-E x16 Slot
  1 x Mini-PCI Slot

1.2.7 Mini-IDE Connector

- One Mini-IDE Connector for two Mini-IDE 44pin hard disk drives
- CF card type I/II
- Ultra ATA 33/66/100 MHz
- High capacity hard disk drives

1.2.8 I/O Connectors

- One Mini-DIN PS/2 connector
- K3780E I/O Board Type I
  1 x LVDS
  1 x D-Sub
  1 x HDMI
  6 x COM header (6 ports by optional cable)
  Realtek 6 Channel HD Audio
- K3780E I/O Board Type II
  1 x LVDS
  1 x DVI or D-Sub (D-Sub by optional cable)
  1 x HDMI
  2 x COM header (2 ports by optional cable)
  Realtek 6 Channel HD Audio; Audio output header (by optional cable)

1.2.9 Universal Serial Bus

- K3780E I/O Board Type I: 8 x USB 2.0
  2 x USB 2.0/1.1 header (4 ports by optional cable)
- K3780E I/O Board Type II: 4 x USB 2.0
  1 x USB 2.0/1.1 header (2 ports by optional cable)

1.2.10 SATA II

- 4 x SATA II (300MB/s)
- SATA RAID 0, 1, 10

1.2.11 BIOS

- Phoenix-Award™ BIOS

1.2.12 Hardware Monitor

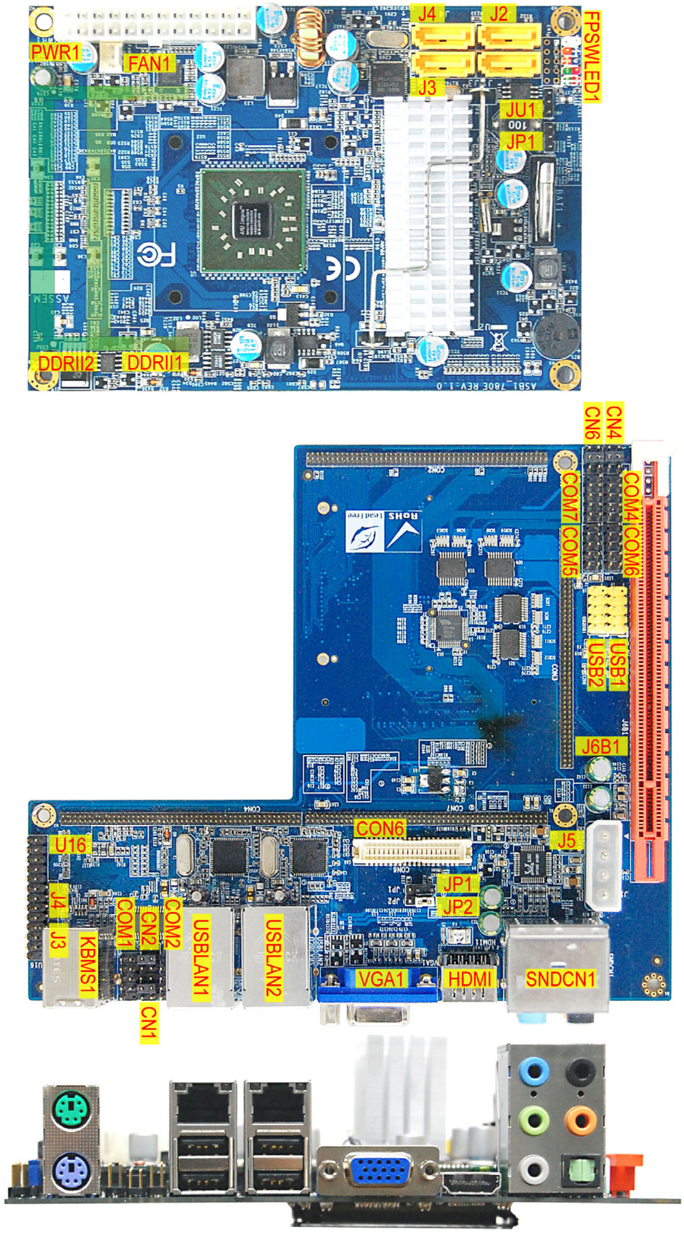
- Monitor CPU temperature and FAN speed
- Monitor system voltages

1.2.13 Power Supply

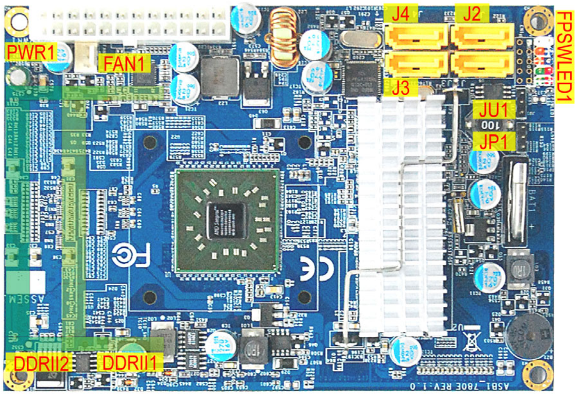
- ATX 24 pin power
- 1 x 5V/ 12V 4 pin power connector (K3780E I/O Board Type I)

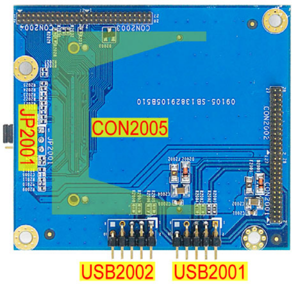
1.3 Configuration

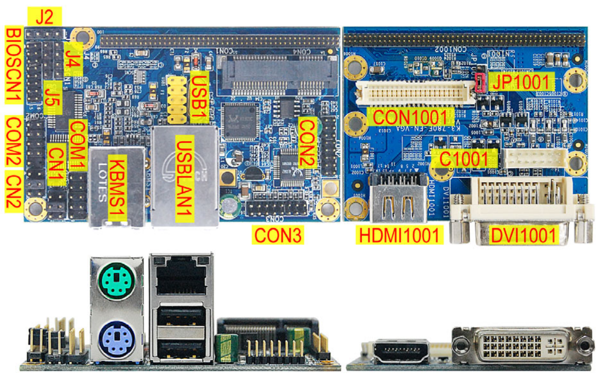
1.3.1 Layout of System board + I/O Board Type 1



1.3.2 Layout of System board + I/O Board Type 2







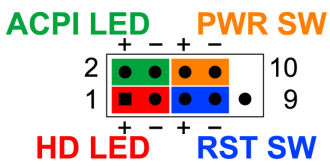
1.4 Hardware Installation

This section will assist you in quickly installing your system hardware. Wear a wrist ground strap before handling components. Electrostatic discharge may damage the system's components.

Jumpers

Jumpers of System Board ---

1.4.1 FPSWLED: Front Panel Headers



Pin	Assignment	LED	Pin	Assignment	LED
1	HDD LED (+)	Hard Drive LED (HD_LED)	2	Power LED (+)	Power LED (ACPI_LED)
3	HDD LED (-)		4	Power LED (-)	
5	Reset Control (+)	Reset Switch (RST_SW)	6	Power Switch (+)	Power-on Switch (PWR_SW)
7	Reset Control (-)		8	Power Switch (-)	
9	N/A		10	N/C	

- HD_LED (Hard Drive LED)
  If your case front panel has a hard drive LED cable, attach it to this header. The LED will flicker when there is hard disk drive activity.

- ACPI_LED (2 pin Power LED)
  This header can be attached to the power LED cord from the case front panel onto this header, then the power LED will illuminate while the system is powered on.

- RST_SW (Reset Switch)
  This header can be attached to a momentary SPST switch (reset button) cable on your case front panel. The switch is normally left open. When the switch closed, it will cause the mainboard to reset and run the POST (Power-On Self Test).

- PWR_SW (Power-on Switch)
  This header can be attached to a power switch cable on your case front panel. You can turn your system on or off by pressing the button attached to this power switch cable.

1.4.2 JP1: Clear CMOS Jumper

The "Clear CMOS" function is used when you are unable boot your system and need to reset the BIOS settings (CMOS settings) back to the manufacturer's original settings. This is also a way to reset the system password if you have forgotten it.

JP3	Assignment
1 ■ ● ● 3	**Pin 1-2 Closed** Normal (Default)
1 ■ ● ● 3	**Pin 2-3 Closed** Clear CMOS Data

Note: "Closed" means putting a jumper cap onto two adjacent header pins.



The following steps explain how to reset your CMOS configurations when you forgot a system password.

1. Turn off your system and disconnect the AC power cable.
2. Set JP3 header to OFF (2-3 Closed).
3. Wait several seconds.
4. Set JP3 header to ON (1-2 closed).
5. Connect the AC power cable and turn on your system.
6. Reset your new password.

1.4.3 JU1: SPI Program Enable

This Jumper is to select the SPI Program device.

JP2	Assignment
1 ■ ● ● 3	**Pin 1-2 Closed** Normal (Default)
1 ■ ● ● 3	**Pin 2-3 Closed** EXT. PROGRAMMING

Jumpers of I/O Board Type 1 ---

1.4.4 JP1: CF Card Master/ Slave Jumper

This Jumper is to select the CF works on Secondary Channel master device or Slave device.

JP2	Assignment
1 [■ ●] ● 3	**Pin 1-2 Closed** Slave
1 ■ [● ●] 3	**Pin 2-3 Closed** Master (Default)

1.4.5 JP2: LVDS VDD POWER

It's for LVDS VDD power setting.

JP3	Assignment
1 [■ ●] ● 3	**Pin 1-2 Closed** VCC5V
1 ■ [● ●] 3	**Pin 2-3 Closed** VCC3P3V (Default)

1.4.6 CN1 - 6: RS-232 Voltage Setting

	Pin	Assignment	Pin	Assignment
5 ● ● ■ 1 6 ● ● ● 2	1	RS232	2	VCC5V
	3	RS232	4	RI (Default)
	5	RS232	6	VCC12V

Jumpers of I/O Board Type 2 ---

1.4.7 JP1001: CF Card Master/ Slave Jumper

This Jumper is to select the CF works on Secondary Channel master device or Slave device.

JP2	Assignment
1 [■ ●] ● 3	**Pin 1-2 Closed** Slave
1 ■ [● ●] 3	**Pin 2-3 Closed** Master (Default)

1.4.8 JP2001: LVDS VDD POWER

It's for LVDS VDD power setting.

JP3	Assignment
1 [■ ●] ● 3	**Pin 1-2 Closed** VCC5V
1 ■ [● ●] 3	**Pin 2-3 Closed** VCC3P3V (Default)

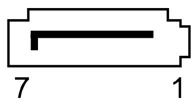
1.4.9 CN1/ CN2: RS-232 Voltage Setting

	Pin	Assignment	Pin	Assignment
5 ● ● ■ 1 6 ● ● ● 2	1	RS232	2	VCC5V
	3	RS232	4	RI (Default)
	5	RS232	6	VCC12V

Connectors

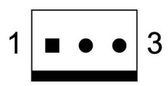
Connectors of System Board ---

1.4.10 J1 - J4: SATA

	Pin	Assignment
	1	GND
	2	SATA_TX+
	3	SATA_TX-
	4	GND
	5	SATA_RX+
	6	SATA_RX-
	7	GND

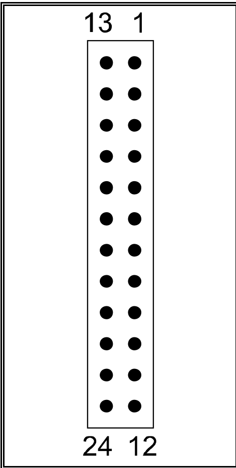
1.4.11 FAN1: FAN Header

There is one fan header available for cooling fan. This cooling fan plays an important role in maintaining ambient temperatures in your system.

	Pin	Assignment
	1	GND
	2	+12V
	3	SENSER

1.4.12 PWR1: ATX Power Connector

This mainboard provides one ATX connector. You must attach it before the system is powered on. This power connector supports several power management functions such as the instant power-on function. The connector pins are described below.



Pin	Assignment	Pin	Assignment
13	3.3V	1	3.3V
14	-12V	2	3.3V
15	COM	3	COM
16	PS-ON	4	+5V
17	COM	5	COM
18	COM	6	+5V
19	COM	7	COM
20	-5V	8	PWR-OK
21	+5V	9	5VSB
22	+5V	10	12V
23	+5V	11	12V
24	COM	12	3.3V

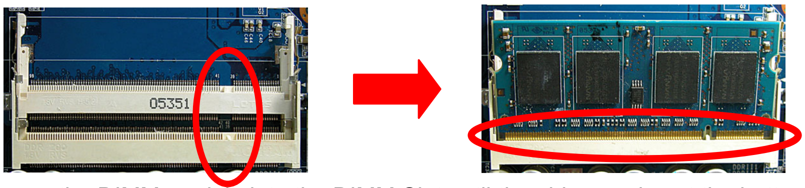
1.4.13 DDRII1/ DDRII2: Memory Installation

It provides DDR SO-DIMM socket which allows you to install 200-pin SO-DIMM.

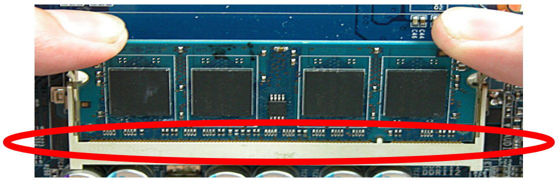


Memory Installation Steps:

1. Match the notch on the bottom of the DIMM module with the corresponding pattern in the DIMM slot. This will ensure that the module will be inserted with the proper orientation. Now the chips or pins at the bottom of the DIMM module are still visible.

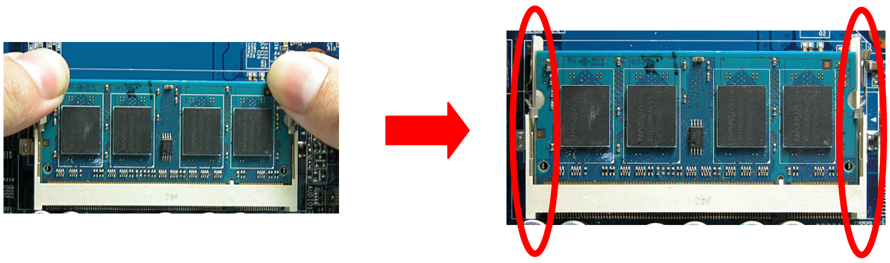


2. Lower the DIMM module into the DIMM Slot until the chips or pins at the bottom of the DIMM module are hidden.



3. Press the DIMM module backward firmly using both thumbs until the module snaps into place. Do not use excessive force.

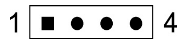
4. Repeat steps 1, 2 & 3 for the remaining DIMM modules.



∗ The pictures above are for reference only. Your actual installation may vary slightly from the pictures. ◦

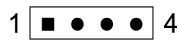
Connectors of I/O Board Type 1 ---

1.4.14 J3/ J4: PGIO



Pin	Assignment
1	FPGA_TDI
2	FPGA_TMS
3	INITB
4	GND

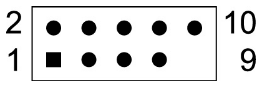
1.4.15 J5: 4 Pin Power Conn.



Pin	Assignment
1	FPGA_TDI
2	FPGA_TMS
3	INITB
4	GND

1.4.16 USB1/ USB2: USB

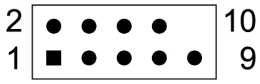
These USB ports are used to attach with USB devices, such as keyboard, mouse and other USB supported devices.



Pin	Assignment	Pin	Assignment
1	+5V STB	2	+5V STB
3	USB-	4	USB-
5	USB+	6	USB+
7	GND	8	GND
9	N/C	10	N/A

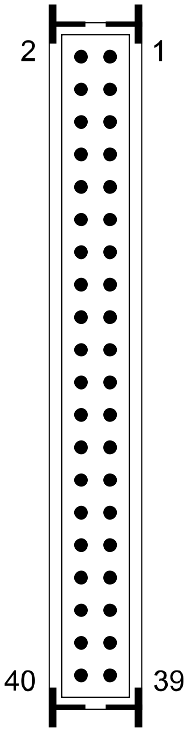
1.4.17 COM 1/ 2 & COM4~7: COM Port

This mainboard provides four COM pin headers for you to connect additional serial connectors on your case back panel. Attach cables of serial connectors onto these headers, then you can use the serial connectors connecting with a mic, modem or other peripheral device.



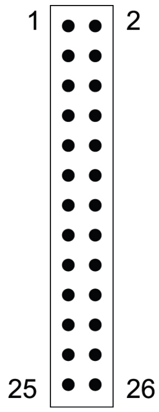
Pin	Assignment	Pin	Assignment
1	DCD	2	SIN
3	SOUT	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	+5V/RINGW/ +12V	10	N/C

1.4.18 CON6: LVDS



Pin	Assignment	Pin	Assignment
2	12V	1	12V
4	GND	3	GND
6	3.3V/5V	5	3.3V/5V
8	GND/I2C_CLK	7	GND/ I2C_DATA
10	BCKLITE_ON	9	BRIGHTNESS
12	LVDS_GND	11	LVDS_GND
14	CHB_TX0+	13	CHA_TX0+
16	CHB_TX0-	15	CHA_TX0-
18	LVDS_GND	17	LVDS_GND
20	CHB_TX1+	19	CHA_TX1+
22	CHB_TX1-	21	CHA_TX1-
24	LVDS_GND	23	LVDS_GND
26	CHB_TX2+	25	CHA_TX2+
28	CHB_TX2-	27	CHA_TX2-
30	LVDS_GND	29	LVDS_GND
32	CHB_TXC+	31	CHA_TXC+
34	CHB_TXC-	33	CHA_TXC-
36	LVDS_GND	35	LVDS_GND
38	CHB_TX3+	37	CHA_TX3+
40	CHB_TX3-	39	CHA_TX3-

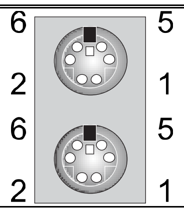
1.4.19 U16: Print Port



Pin	Assignment	Pin	Assignment
1	RSTB-	2	RAFD-
3	RPDR0	4	ERR-
5	RPDR1	6	RIVIT-P-
7	RPDR2	8	KSLIN-
9	RPDR3	10	GND
11	RPDR4	12	GND
13	RPDR5	14	GND
15	RPDR6	16	GND
17	RPDR7	18	GND
19	ACK-	20	GND
21	BUSY	22	GND
23	PE	24	GND
25	SLCT	26	GND

1.4.20 KBMS1: Mini-DIN PS/2 Port

This mainboard provides a standard Mini-DIN PS/2 port to connect PS/2 keyboard and mouse.

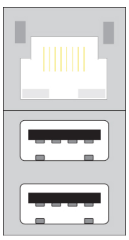


Pin	Assignment	Pin	Assignment
1	Keyboard/ Mouse data	2	N/C
3	GND	4	5V
5	Keyboard/ Mouse clock	6	GND

1.4.21 USBLAN1/USBLAN2: LAN +USB Port

There is one PCI-E Realtek® Giga Ethernet LAN port available for you to attach Internet cables.

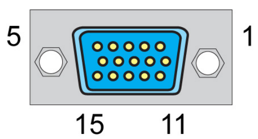
These USB ports are used to attach with USB devices, such as keyboard, mouse and other USB supported devices.



1.4.22 VGA1: VGA Connector

The mainboard provides one VGA connector (= D-Sub connector) on back panel.

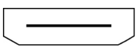
VGA connector (= D-Sub connector) delivers the analogy signals, and is able to connect with traditional CRT display, flat display, or other display device which with the D-Sub interface compatible.



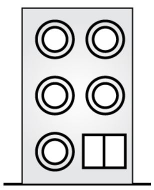
Pin	Assignment
1	RED
2	GREEN
3	BLUE
4	N/A
5	GND
6	GND
7	GND
8	GND
9	NVGA03
10	GND
11	N/A
12	DDC_DATA
13	5VHSYNC
14	5VVSYNC
15	DDC_CLK

1.4.23 HDMI

A HDMI connector is the serial port.

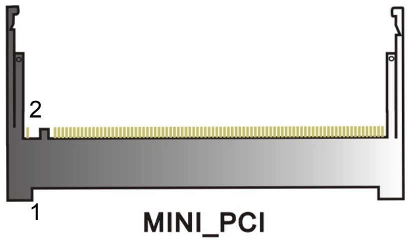


1.4.24 SNDCN1



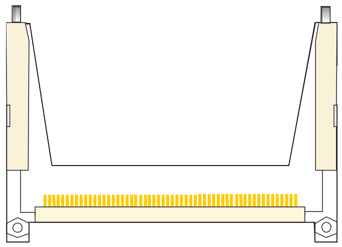
1.4.25 MINI_PCI1: Mini PCI Slot

Mini PCI (Peripheral Component Interconnect) is a 32-bit, 33MHz bus standard for integrated peripherals of smaller products. The mainboard provides one Mini PCI slot available to install expansion cards such as network card, SCSI card, etc.



1.4.26 CON5: CF Card Connector

The mainboard provides one CF card connector (CompactFlash I/II Card).



Connectors of I/O Board Type 2 ---

1.4.27 J2: 4 Pin Power Conn.

	Pin	Assignment
1 ■ ● ● ● 4	1	FPGA_TDI
	2	FPGA_TMS
	3	INITB
	4	GND

1.4.28 J4/ J5: PGIO

	Pin	Assignment
1 ■ ● ● ● 4	1	FPGA_TDI
	2	FPGA_TMS
	3	INITB
	4	GND

1.4.29 USB1: USB

These USB ports are used to attach with USB devices, such as keyboard, mouse and other USB supported devices.

	Pin	Assignment	Pin	Assignment
2 ● ● ● ● ● 10	1	+5V STB	2	+5V STB
1 ■ ● ● ● 9	3	USB-	4	USB-
	5	USB+	6	USB+
	7	GND	8	GND
	9	N/C	10	N/A

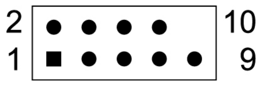
1.4.30 USB2001/ USB2002: USB

These USB ports are used to attach with USB devices, such as keyboard, mouse and other USB supported devices.

	Pin	Assignment	Pin	Assignment
2 ● ● ● ● ● 10	1	+5V STB	2	+5V STB
1 ■ ● ● ● 9	3	USB-	4	USB-
	5	USB+	6	USB+
	7	GND	8	GND
	9	N/C	10	N/A

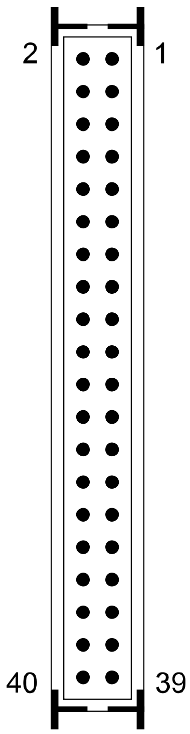
1.4.31 COM 1/ 2: COM Port

This mainboard provides four COM pin headers for you to connect additional serial connectors on your case back panel. Attach cables of serial connectors onto these headers, then you can use the serial connectors connecting with a mic, modem or other peripheral device.



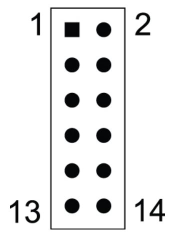
Pin	Assignment	Pin	Assignment
1	DCD	2	SIN
3	SOUT	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	+5V/RINGW/ +12V	10	N/C

1.4.32 CON1001: LVDS



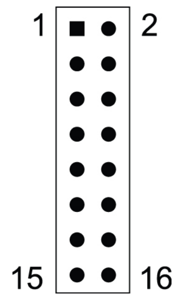
Pin	Assignment	Pin	Assignment
2	12V	1	12V
4	GND	3	GND
6	3.3V/5V	5	3.3V/5V
8	GND/I2C_CLK	7	GND/ I2C_DATA
10	BCKLITE_ON	9	BRIGHTNESS
12	LVDS_GND	11	LVDS_GND
14	CHB_TX0+	13	CHA_TX0+
16	CHB_TX0-	15	CHA_TX0-
18	LVDS_GND	17	LVDS_GND
20	CHB_TX1+	19	CHA_TX1+
22	CHB_TX1-	21	CHA_TX1-
24	LVDS_GND	23	LVDS_GND
26	CHB_TX2+	25	CHA_TX2+
28	CHB_TX2-	27	CHA_TX2-
30	LVDS_GND	29	LVDS_GND
32	CHB_TXC+	31	CHA_TXC+
34	CHB_TXC-	33	CHA_TXC-
36	LVDS_GND	35	LVDS_GND
38	CHB_TX3+	37	CHA_TX3+
40	CHB_TX3-	39	CHA_TX3-

1.4.33 C1001: D-SUB



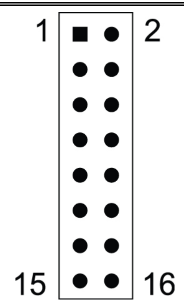
Pin	Assignment	Pin	Assignment
1	N/A	2	N/A
3	N/A	4	N/A
5	HSYNC	6	DDC_CLK
7	VHYNC	8	DDC_DATA
9	VGA_R	10	N/A
11	VGA_G	12	N/A
13	VGA_B	14	N/A

1.4.34 CON2: AUDIO1 - Line In/ Line Out/ Mic In



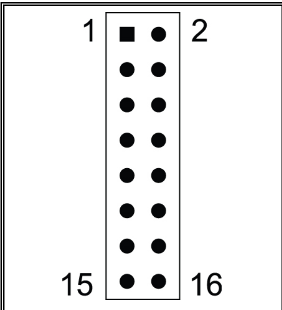
Pin	Assignment	Pin	Assignment
1	LINE1_L	2	LINE1_JD
3	LINE1_R	4	GND
5	GND	6	GND
7	FRONT_L	8	FRONT_JD
9	FRONT_R	10	GND
11	GND	12	GND
13	MIC_L	14	MIC_JD
15	MIC_R	16	GND

1.4.35 CON3: AUDIO2 - SURR/ LFE/ CNE/ SPDIF OUT



Pin	Assignment	Pin	Assignment
1	GND	2	GND
3	SURR_L	4	SURR_JD
5	SURR_R	6	GND
7	GND	8	GND
9	LFE	10	LFE_JD
11	CEN	12	GND
13	GND	14	GND
15	VCC5V	16	SPIDF_OUT

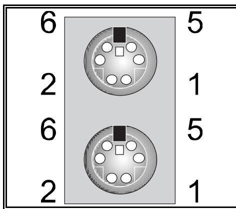
1.4.36 BIOSCN1: LPC Interface



Pin	Assignment	Pin	Assignment
1	LAD0	2	LDRQ
3	LAD1	4	SERIRQ
5	LAD2	6	LPCCLK
7	LAD03	8	LPCRST
9	VCC3P3V	10	LFRAME
11	GND	12	48MHZ
13	VCC5V	14	VCC5V
15	VCC12V	16	VCC12V

1.4.37 KBMS1: Mini-DIN PS/2 Port

This mainboard provides a standard Mini-DIN PS/2 port to connect PS/2 keyboard and mouse.

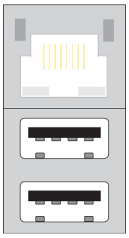


Pin	Assignment	Pin	Assignment
1	Keyboard/ Mouse data	2	N/C
3	GND	4	5V
5	Keyboard/ Mouse clock	6	GND

1.4.38 USBLAN1: LAN +USB Port

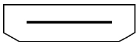
There is one PCI-E Realtek® Giga Ethernet LAN port available for you to attach Internet cables.

These USB ports are used to attach with USB devices, such as keyboard, mouse and other USB supported devices.



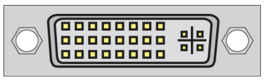
1.4.39 HDMI1001

A HDMI connector is the serial port.



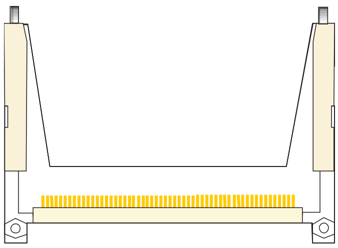
1.4.40 DVI1001

A DVI connector is the serial port.



1.4.41 CON2005: CF Card Connector

The mainboard provides one CF card connector (CompactFlash I/II Card).

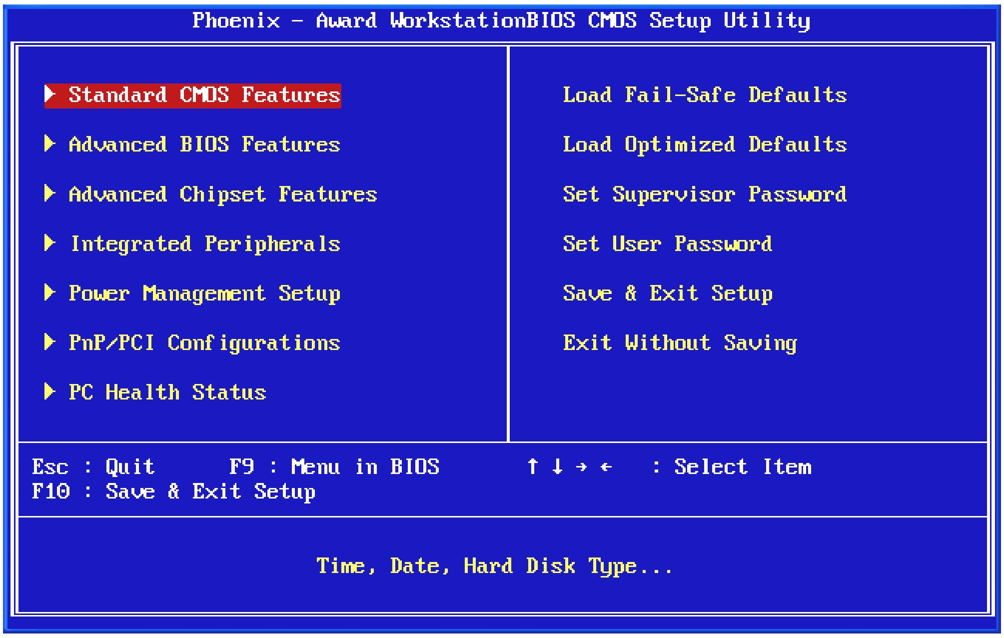


Chapter 2 BIOS Setup

2.1 Main Menu

The Award BIOS (Basic Input/Output System) installed in your computer system's.

The BIOS provides for a standard device such as disk drives, serial ports and parallel ports. It also adds password protection as well as special support for detailed fine-tuning of the chipset controlling the entire system.



The Award BIOS provides a Setup utility program for specifying the system configurations and settings. The BIOS ROM of the system stores the Setup utility.

When you turn on the computer, the Award BIOS is immediately activated. Pressing the <Del> key immediately allows you to enter the Setup utility. If you a little bit late press the <Del> key, POST (Power On Self Test) will continue with its test routines, thus preventing you from invoking the Setup. If you still wish to enter Setup, restart the system by pressing the "Reset" button or simultaneously pressing the <Ctrl>, <Alt> and <Delete> keys. You can also restart by turning the system Off and back On again.

The following message will appear on the screen:

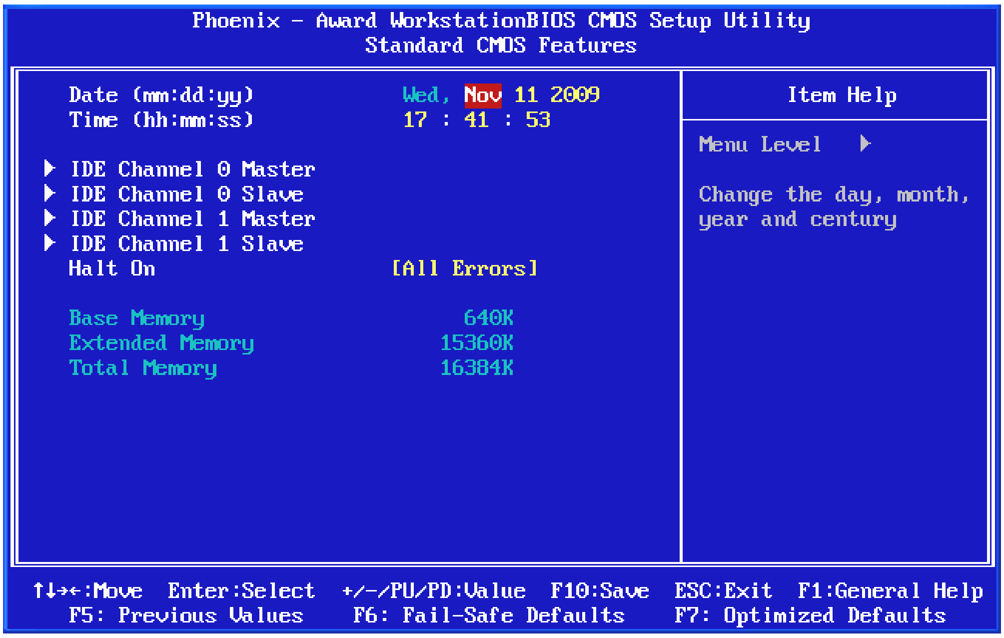
Press <DEL> to Enter Setup

In general, you press the arrow keys to highlight items, <Enter> to select, the <PgUp> and <PgDn> keys to change entries, <F1> for help and <Esc> to quit. When you enter the Setup utility,

the Main Menu screen will appear on the screen. The Main Menu allows you to select from various setup functions and exit choices.

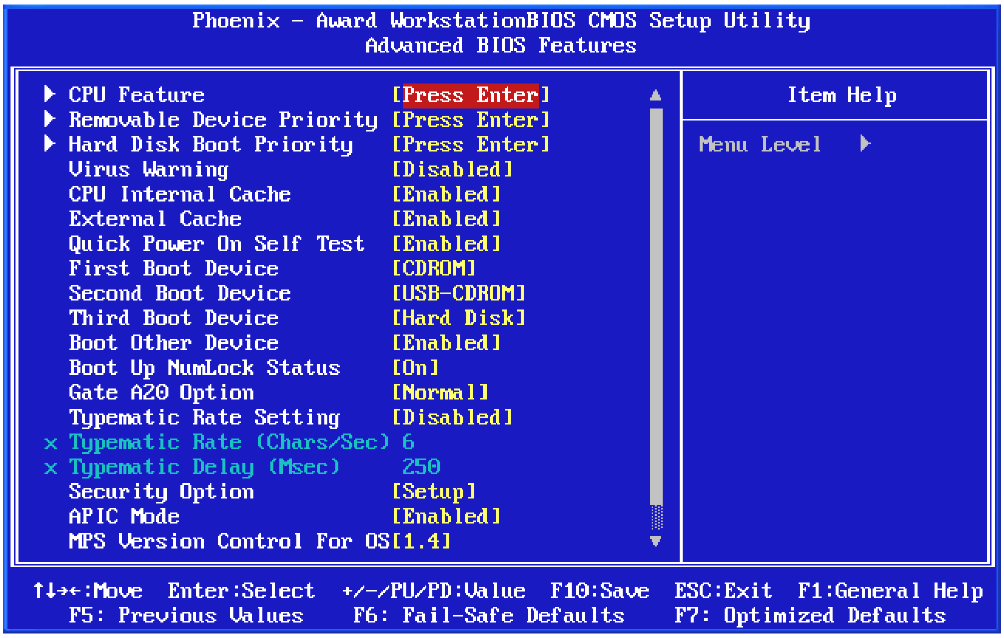
2.1.1 Standard CMOS Features

Include all the adjustable items in standard compatible BIOS.



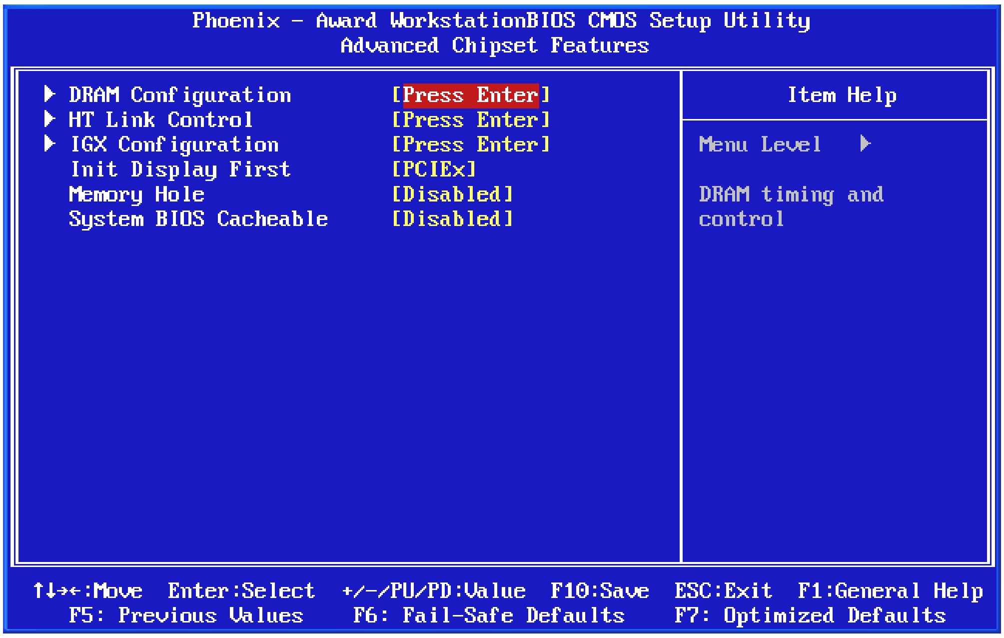
2.1.2 Advanced BIOS Features

Include all the adjustable items of Award special enhanced features.



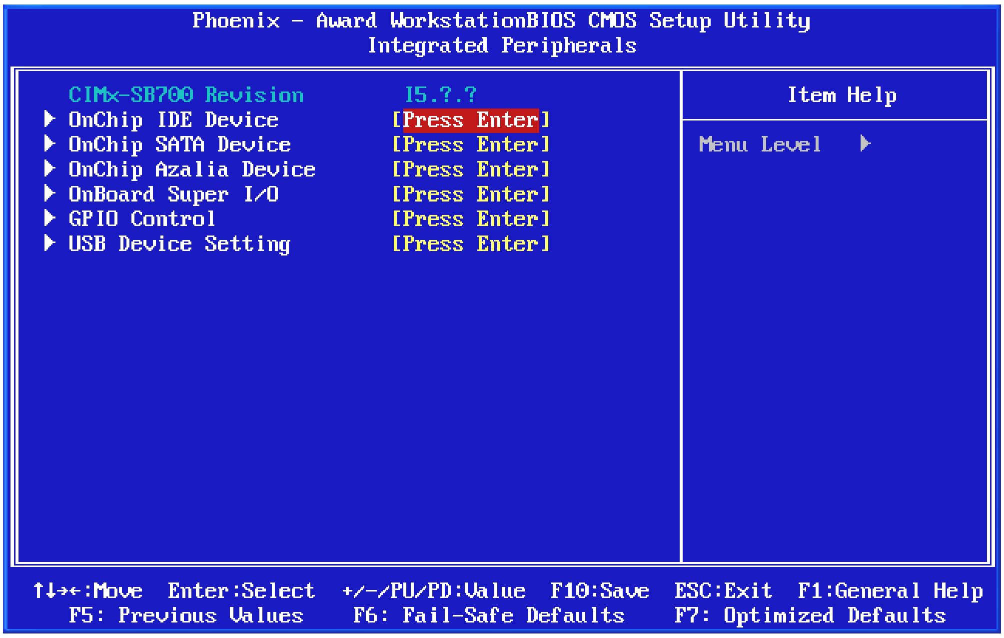
2.1.3 Advanced Chipset Features

Include all the adjustable items of chipset special features.



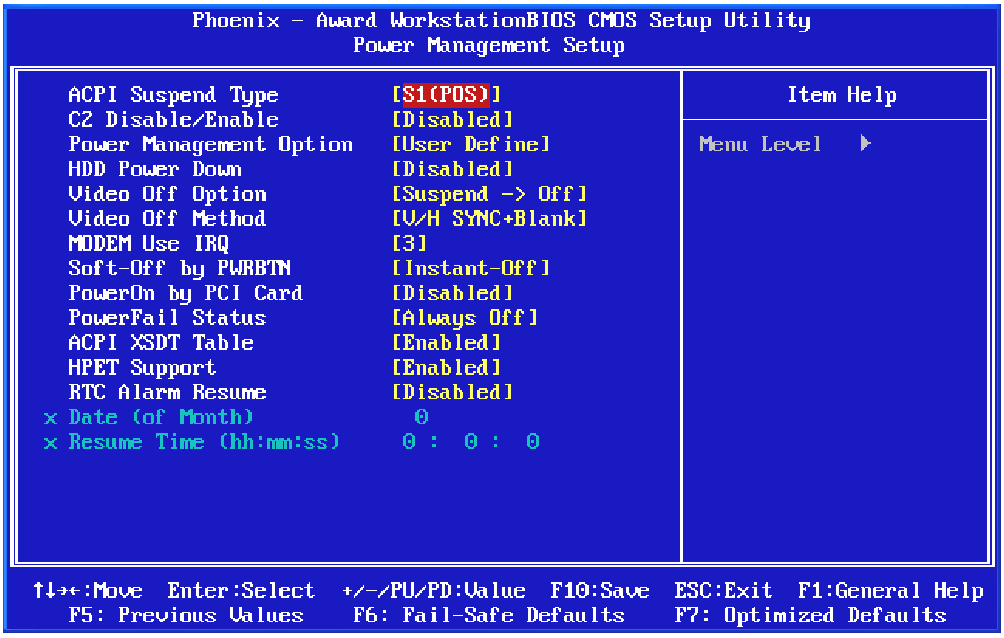
2.1.4 Integrated Peripherals

Include all onboard peripherals.



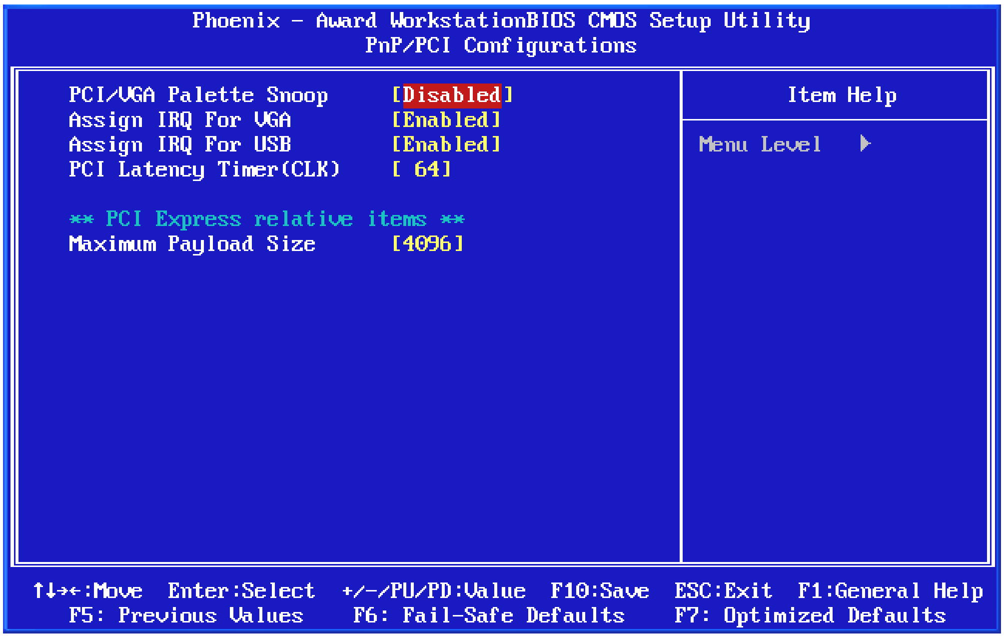
2.1.5 Power Management Setup

Include all the adjustable items of Green function features.



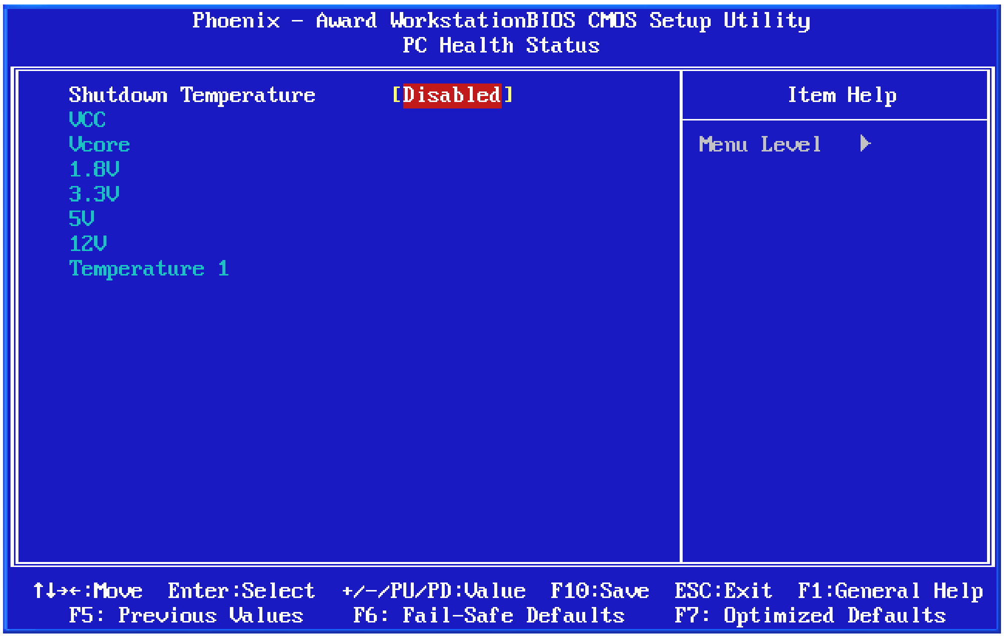
2.1.6 PnP/PCI Configurations

Include all configurations of PCI and PnP resources.



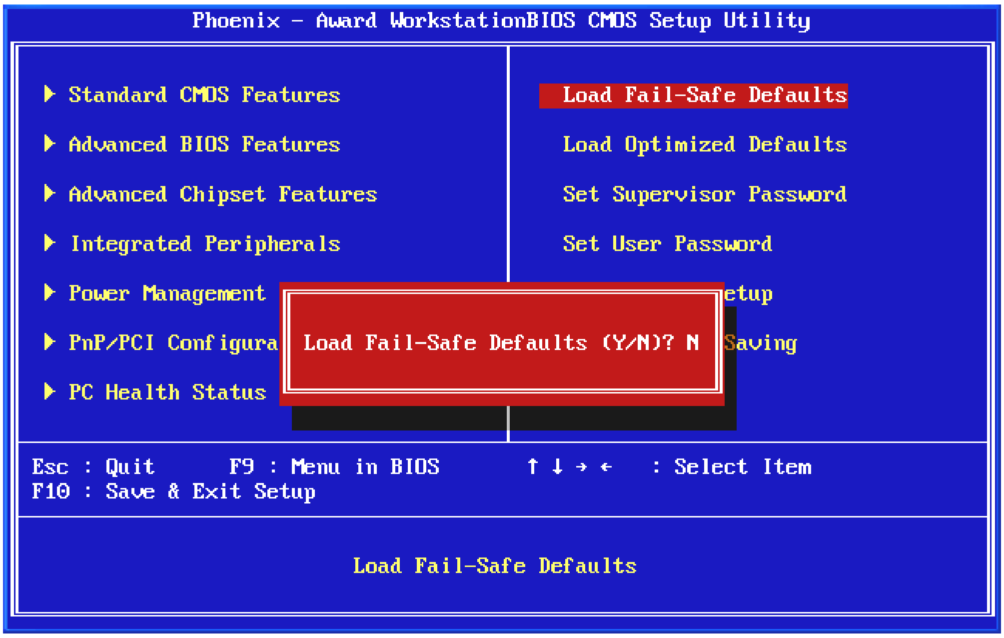
2.1.7 PC Health Status

It is for monitoring the system status such as temperature, voltage, and fan speeds.



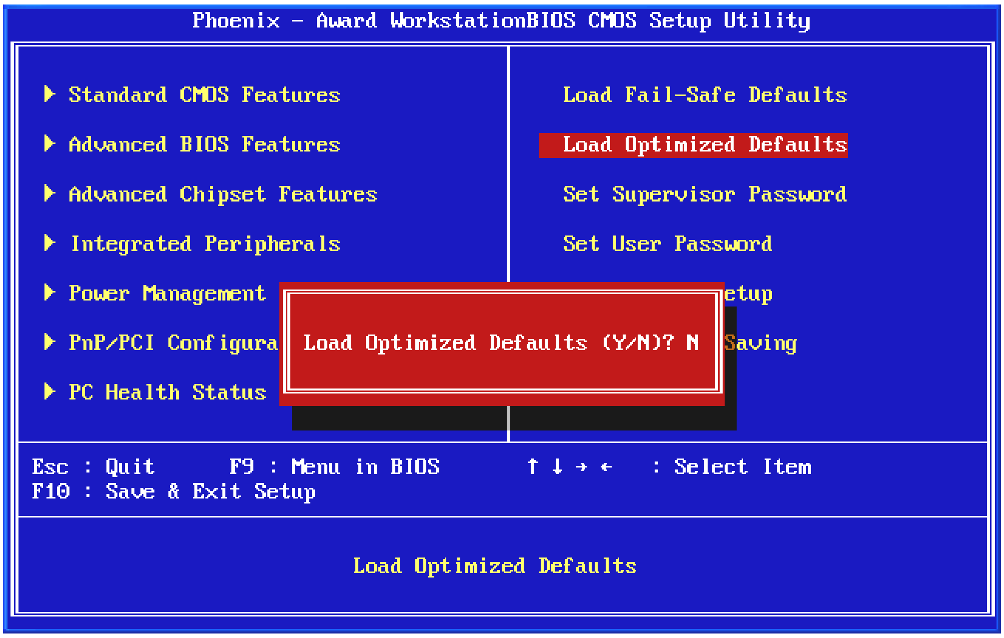
2.1.8 Load Fail-Safe Defaults

It can load Fail-Safe defaults except standard CMOS setup.



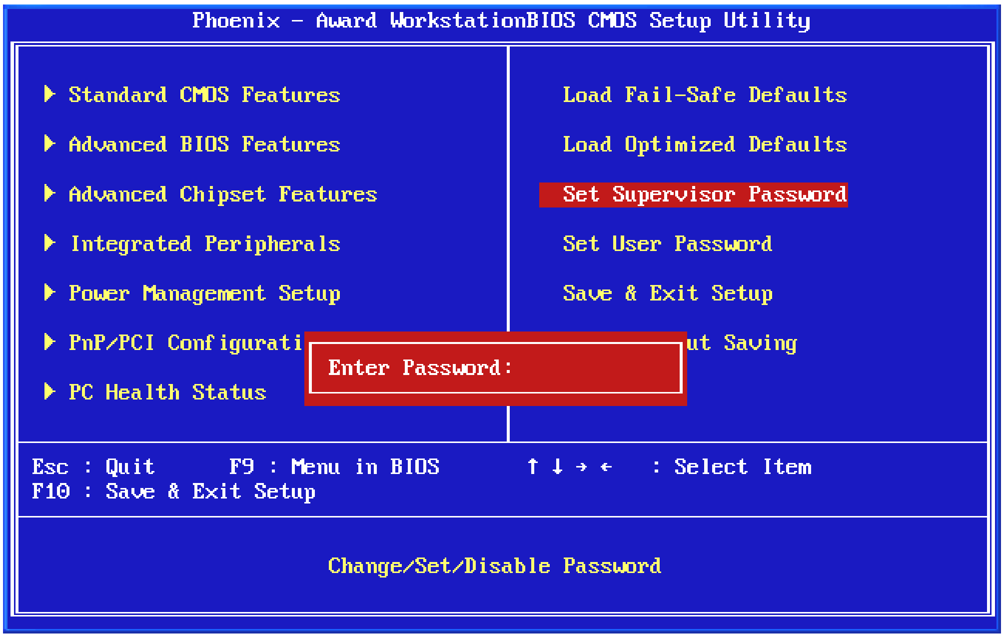
2.1.9 Load Optimized Defaults

It can load the preset system parameter values to set the system in its best performance configurations.



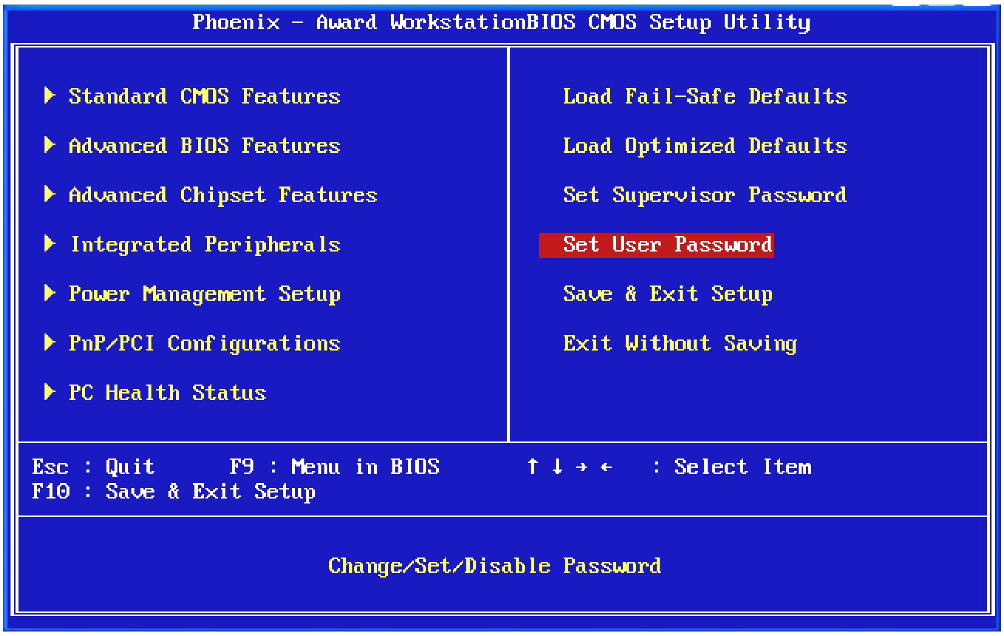
2.1.10 Set Supervisor Password

Set change or disable password. It allows you to limit access to the system and/or BIOS setup.



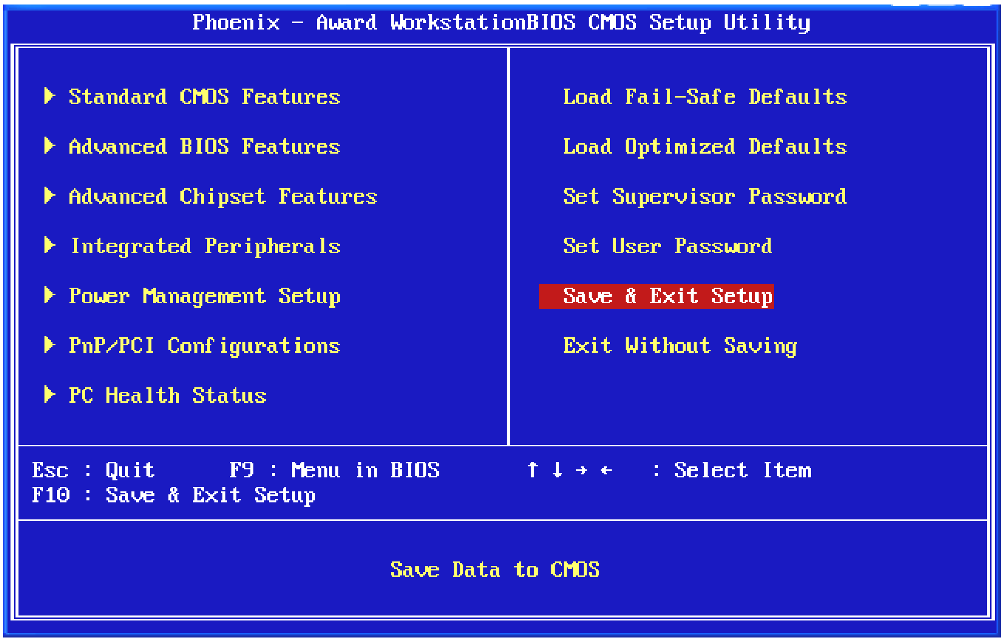
2.1.11 Set User Password

Set change or disable password. It allows you to limit access to the system and/or BIOS setup.



2.1.12 Save & Exit Setup

Save CMOS value settings to CMOS and exit setup.

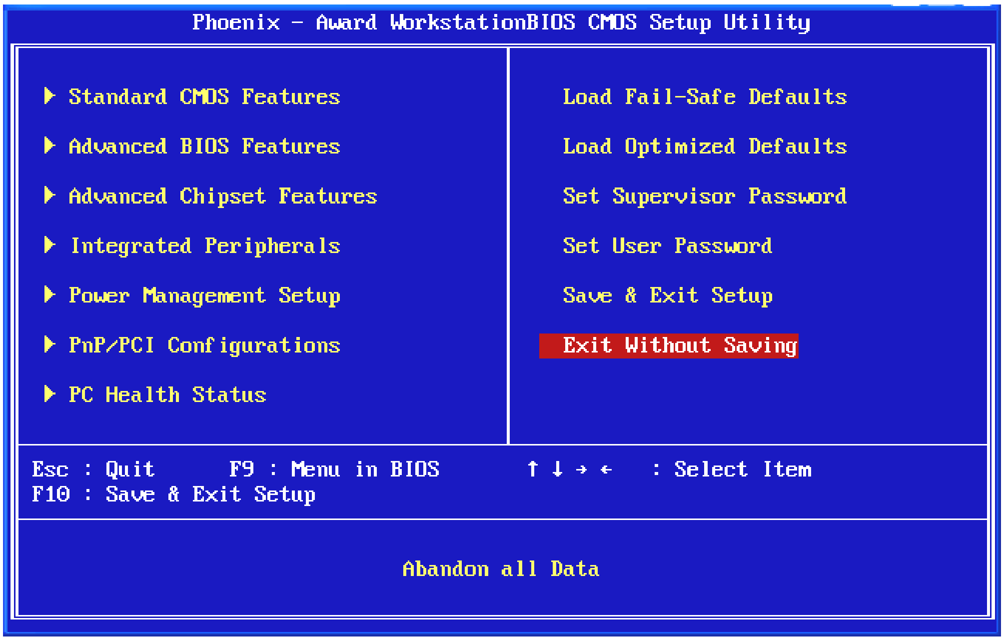


Typing “Y”, you will quit the setup utility and save all the changes into the CMOS memory.

Typing “N”, you will return to Setup utility.

2.1.13 Exit Without Saving

Abandon all CMOS value changes and exit setup.



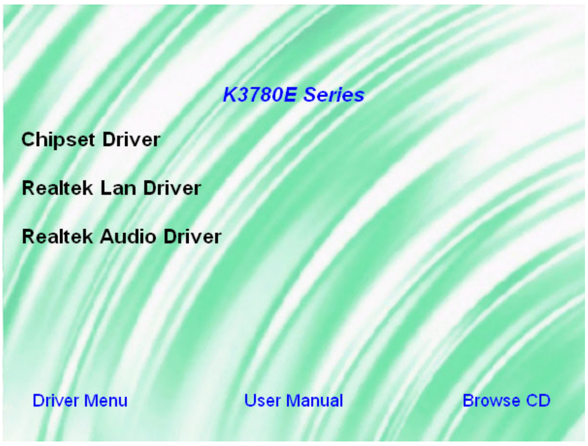
Typing “Y” will quit the Setup utility without saving the modifications.

Typing “N” will return you to Setup utility.

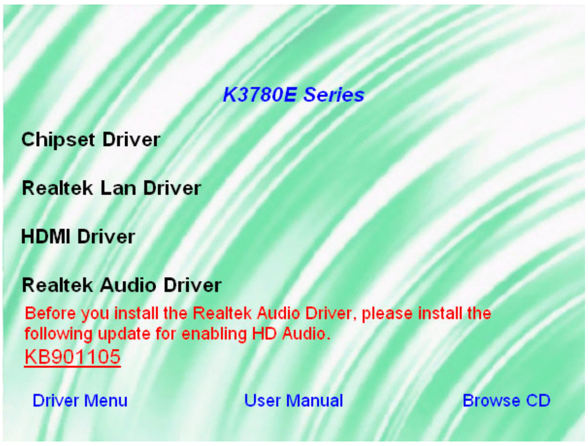
Chapter 3 Software Setup

3.1 Software Installation

Place the Driver CD into the CD-ROM drive and the Installation Utility will auto-run. You can also launch the Driver CD Installation Utility manually by executing the program located on the Driver CD. (For more details, please refer to the Readme.txt files that in each folder of the Driver.)



Driver for XP/ Vista/ Vista 64/ Win7/ Win7 64



Driver for XP 64

◎The screen and images are only for general reference. The version of the screens you received with your software may vary slightly.

When you insert the driver CD into the CD-ROM, you'll see the screen as the picture below. There are several driver buttons displayed in the "Driver Menu" screen, and you can click on the drivers to install.

Chipset Driver - It provides the driver of VGA.

LAN Driver - It provides the driver of Network.

HDMI Driver - It provides the driver of HDMI.

Audio Driver - It provides the driver of Audio CODEC.

Click on the "User Manual" button, you can choose the manual to read.



If you click the "Browse CD" button, you can browse all the files in the Driver CD.



Attention

Before you read manuals, you must install the driver of Adobe Acrobat Reader 6 to browse PDF files.◦